ABSTRACT OF THE DISCLOSURE

A security system for electronic commerce for verifying the authenticity of a user
including: a server authentication program installed in a web-server at a website of a
web-service provider; a client software component downloaded and installed at a
workstation of the user; the server authentication program being integrated with existing
web-applications with the web-service provider and for receiving existing security
parameters entered by the user; a biometric scanner activated for identifying
characteristics of a biometrics image and for converting the biometrics image into
digital data; a device for compressing and encrypting the digital data from the biometric
scanner; a device for transmitting the compressed and encrypted data to the web-server;
a device for comparing the encrypted data with data stored in a database; and a device
for sending status codes of comparison, if comparison is successful, to the web-service
provider.